SAF-RC-040 300 Area D&D Waste Characterization **Sampling - Other Solid** FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Mike Stankovich

L1-01

COMMENTS:

SDG 07-A-4285

SAF-RC-040

Rad only $\underline{\mathbf{X}}$ Chem only

Rad & Chem

X Complete '

Partial

Sample Location/Waste Site: 338B Building





8/7/07 Page 1 of 2

SUBMITTED TO:

Joan Kessner Washington Closure Hanford 2620 Fermi Avenue, MSIN H4-21 Richland, WA 99354

REFERENCE DATA:

Client Sample No.:

J15F16 through J15F18

P.O. No.:

Not Available

Sample Location:

337B Building

Sample Type:

Bulk

Method Reference:

EPA-600/R-93/116

DCL Set ID No.:

07-A-4285

DCL Sample ID No.:

07-24233 through 07-24235

Sample Receipt Date:

8/3/07

Analysis Date:

8/7/07



We certify that the following samples were prepared and analyzed by Polarized Light Microscopy for asbestos and other fibrous constituents using EPA-600/R-93/116. The samples were acceptable upon receipt except where noted. The samples were examined under a stereomicroscope in a laboratory fume hood for general composition and phase separation. If needed, portions of the sample were removed and ground with a mortar and pestle before being mounted on a glass microscope slide. Mountings of representative portions of the material are prepared in one or more appropriate refractive index liquids (1.550, 1.605, 1.680) and examined by Polarized Light Microscopy*. Estimates of concentration are made on an area basis. The results of the analysis apply only to the materials analyzed and are summarized on the attached bulk asbestos analysis data sheets. DataChem Laboratories will dispose of all bulk samples after 60 days unless other arrangements are made.

Shawn Smythe Analyst

Anna Marie Ristich

Reviewer

*Floor tiles, decorative paints, joint compounds, and cement materials require additional treatment in order to evaluate the concentration of small asbestos fibers bound in the material. Some samples may contain fibers that are not visible by PLM and can only be detected by electron microscopy techniques. Floor tiles are analyzed as homogeneous materials if insufficient mastic is present or if phases have been cross contaminated.

DataChem Laboratories NVLAP Lab ID: 101917. Laboratory accreditation by the National Institute of Standards and Technology does not in any way constitute approval or endorsement by NVLAP, NIST, or any agency of the federal government..

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DataChem Laboratories Polarized Light Microscopy Asbestos Analytical Report

Client: Washington Closure Hanford Location: 337B Building Set ID: 07-A-4285

Client Sample ID:	J15F16	J15F17	J15F18	
DCL Sample ID:	07-24233	07-24234	07-24235	
	V/-44233	·U/*44434	U/-24233	
Macroscopic Examination				
Accepted/Rejected:	Accepted	Accepted	Accepted	
Homogeneity:	Homog.	· Homog.	Homog.	
Color:	Grey	Grey	Grey	
Texture:	Fibrous	Crmby/Fbrs	Crmby/Fbrs	
Description:	Material	Material	Material	
Analysis:	PLM'	PLM	PLM	
Asbestiform Minerals				
% Chrysotile:				
% Amosite:	,			
% Crocidolite:				
% Tremolite - Actinolite:	•			
% Anthophyllite:				
% Total Asbestos:	ND	ND	ND	
Other Materials		. ,		
% Cellulose:		•	•	
% Fiberglass:		>3≤5	>3≤5	
% Other Fibers:	>70≤80	>5≤10	>5≤10	
% Resin/Binder:				
% Non Fibrous:	>10≤20	>80≤90	>80≤90	

ND = None Detected Trace = <1%

Special Prep Procedures: None.

*Notes: P. O. #: Not Available.

Shawn Smythe Microscopist

All values are in area percent by visual estimate. The Federal Register Vol. 55 No. 224 Tuesday Nov. 20 1990 Rules and Regulations states "... If the asbestos content is estimated to be less than 10% by a method other than point counting,... (the analysis) be repeated using the point counting technique by PLM." Any of the above samples can be reanalyzed by point counting at the client's request. Wherever possible, separate phases are analyzed and reported individually.

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST						R	C-040-321	Page 1.	of 1	
Collector T A Lee	Company Contact Tim Lee	Telephone No. 627-8639			Project Coordinator KESSNER, JH		Price Code 9K		Data Turnaround		
Project Designation 300 Area D&D Waste Characterization Sampling - Other Sol 337B Building						SAF No. RC-040				7 Days	
Ice Chest No. Med. Feel Ex 80X Field Logbook No. EL-1603-2						Method of Shipment Federal Express					
Shipped To DataChem Laboratories - Cincinnati Offsite Property No. A C			70303			Bill of Lading See OSPC					
POSSIBLE SAMPLE HAZARDS/REMARKS asbestas	Preservation	None									
Special Handling and/or Storage	Type of Container	G/P									
1	No. of Container(s)	1									
N/A	Volume	5g	-								
sample analysis	1-4285	Asbestoe- BULK-EPA									
Sample No. 3 - Matrix . Sam	ple Date Sample Time	10 To	144		4K-164		e same	ere energia	F2 - 52 (88) (75) 8	2 E	
J15F18 74733 OTHER SOLID 8-2	-07 930	X	20402 2086	3. 9. 7. 33.5 44.	1.50						
J15F18 24235 OTHER SOLID 8 -	2-07 931	X	-								
CHAIN OF POSSESSION	5										
Relinquished By/Removed From Date/Time Received Received Received Removed From Date/Time Received Relinquished By/Removed From Date/Time Received Received Relinquished By/Removed From Date/Time Received Received Received Relinquished By/Removed From Date/Time Received Rece	ad By/Stored In D By/Stored In D By/Stored In D D D D D D D D D D D D D	ste/Time ste/Time ste/Time ste/Time	Samp	ling COA - R3	, Data Ma	magement, and Sh	oping CO	A - RD4MXX2F0	0		Matrix ⁶ 5-Soil SE-Sediment SC-Soid Si-Sadge W = Wese O-Oil A-AAir DS-Drum So UL-Drum Le T-Tima Le T-Lispad V-Vogntation X-Other
LABORATORY Received By SECTION		Ti	tle						1	Date/Time	
FINAL SAMPLE Disposal Method DISPOSITION		···-		Dispo	and By				 ·	Date/Time	